

Module assessment – "What's my number?"

MODULE 1 · PLACE VALUE AND THE DECIMAL NUMBER SYSTEM NUMBER

WHAT'S MY NUMBER? – SAMPLE MYSTERY

- 1 Clue 1: I am a 4-digit number with no zeros.
- 2 Clue 2: My **thousands** digit is **3**.
- 3 Clue 3: My **hundreds** digit is **double** my thousands digit.
- 4 Clue 4: My **units** digit is the **same** as my thousands digit.
- 5 Clue 5: My **tens** digit is **one more** than my units digit.
- 6 Read down: thousands = 3, hundreds = 6, tens = 4, units = 3 → **3 643**.

HOW TO ANSWER TODAY

- **Value of a digit.** Find which place the digit sits in, then write what it is worth there as a number (not the place name).
In 3,742 the digit 7 sits in the hundreds place. Its value is 700.

TRY IT ON THE LINE

For each clue, write the candidate decimals into the U/t/h mat and cross off any that the NEXT clue rules out.

U	t	h

1. Clue 1: 'I have seven hundredths and three tenths.' Write your candidate.
2. Clue 2: 'I am bigger than 0.4 but smaller than 0.5.' Cross out the row from Clue 1 if it doesn't fit.
3. Clue 3: 'My units digit is zero.' Write a final candidate that obeys all three clues.

PRACTICE

- 1 At the cinema box office on a 5th class trip, Oisín sees a child snack pack priced at **€3.80** and a small popcorn priced at **€3.08**. Which one costs more, and how many cent are in each price?
Which is more — €3.80 or €3.08? How many cent are in each?
- 2 5th class are totting up their school tour fund. In the first week they collected **€23.87**, and in the second week they collected **€75.29**. How much have they raised altogether so far?

CHALLENGE

- 1 At the 5th class bake sale, Aoife sells a flapjack for **€1.30** and Tadhg sells a chocolate crispie for **€1.75**. Which price is more?
Which is more — €1.3 or €1.75?
- 2 5th class are decorating a World Book Day display board with the total number of words read by all the pupils in the school this term: **6,204,109**. What is the value of the digit **2** in this number?
In 6,204,109, what is the value of the digit 2? (Each zero still holds a place.)